

10578,272

and/or a model assuming that characteristics of said components can be measured using the detected transitional changes of the spectral response patterns;

conducting the same spectral and/or multivariate analysis on unknown(new) sample specimen while giving the same conditions as said predetermined conditions: and,

comparing with the built models to predict components of unknown sample specimen and/or characteristics of the components.

~~perturbations by adding predetermined specific conditions to the sample specimen,~~

~~building a model assuming that distinction of respective components and/or characteristics of the components can be measured by conducting spectral analysis and/or multivariate analysis.~~

Please amend the paragraph [0011] beginning on page 2, as follows:

[0011] According to the previous claim 1, the invention makes it possible to establish a model of the correlations of transitional changes arising from adding predetermined conditions while acquiring spectra, and the spectral response to those changes, a feat that has conventionally been difficult to measure. Furthermore, the method makes it possible to measure the concentration of specific components as well as granule diameter. And causes extremely small alterations in the sample specimen and thus makes it possible to detect and measure very small changes caused by specific components when giving specific predetermined conditions and conducting spectral and/or multivariate analysis. The transitional changes of the spectral response patterns of water molecules on the spectral graph are so small that they cannot be detected by the human eye but the invention presented here enables high-accuracy determination of component characteristics and further detection of ultra-low concentrations of those components in real time. ~~specific perturbations, and the spectral response to those changes, a feat that has conventionally been difficult to measure. Furthermore, the method makes it possible to measure the concentration of specific components as well as granule diameter.~~